



DATE: June 16, 2004 SHEET 1 of 2

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Modified) PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

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APPLICANT

Zhili Xin, et al.

FILING DATE

February 4, 2004

GROUP

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION	
													YES	NO
ES	B1	0	1	1	7	5	1	6	15.03.2001	WO				
ES	B2	0	1	1	9	8	3	0	22.03.2001	WO				
ES	B3	0	1	1	9	8	3	1	22.03.2001	WO				

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

ES	C1	Ahmad, F., et al., "Osmotic Loading of Neutralizing Antibodies Demonstrates a Role for Protein-tyrosine Phosphatase 1B in Negative Regulation of the Insulin Action Pathway (*)", <i>Jour. Biol. Chem.</i> , 270(35):20503-20508 (1995)
	C2	Bryant, N. J., et al., "Regulated Transport of the Glucose Transporter Glut4", <i>Nature Reviews</i> , 3:267-277 (2002)
	C3	Cheng, A., et al., "Coordinated action of protein tyrosine phosphatases in insulin signal transduction", <i>Eur. J. Biochem.</i> , 269:1050-1059 (2002)
	C4	Dunstan, D. W., et al., "The Rising Prevalence of Diabetes and Impaired Glucose Tolerance: The Australian Diabetes, Obesity and Lifestyle Study", <i>Diabetes Care</i> , 25(5):829-834 (2002)
	C5	Elchebly, M., et al., "Increased Insulin Sensitivity and Obesity Resistance in Mice Lacking the portein Tyrosine Phosphatase-1B Gene", <i>Science</i> , 283:1544-1548 (1999)
	C6	Flint, A. J., et al., "Multi-site phosphorylation of the protein tyrosine phosphatase, PTP1B: identification of cell cycle regulated and phorbol ester stimulated sites of phosphorylation", <i>The EMBO Jour.</i> , 12(5):1937-1946 (1993)
	C7	Goldstein, B. J., et al., "Tyrosine Dephosphorylation and Deactivation of Insulin Receptor Substrate-1 by Protein-tyrosine Phosphatase 1B", <i>Jour. Biol. Chem.</i> , 275(6):4283-4289 (2000)
	C8	Groop, L. & Orho-Melander, M., "The dysmetabolic syndrome", <i>Jour. of Internal Med.</i> , 250:105-120 (2001)
	C9	Klaman, L. D., et al., "Increased Energy Expenditure, Decreased Adiposity, and Tissue-Specific Insulin Sensitivity in Protein-Tyrosine Phosphatase 1B-Deficient Mice", <i>Molecular and Cellular Biol.</i> , 20(15):5479-5489 (2000)
	C10	Mauro, L. J., et al., "Identification of a Hormonally Regulated Protein Tyrosine Phosphatase Associated with Bone and Testicular Differentiation", <i>The Journ. of Biol. Chem.</i> , 269:30659-30667 (1994)
	C11	Noguchi, T., et al., "Role of SH-PTP2, a Protein-Tyrosine Phosphatase with Src Homology 2 Domains, in Insulin-Stimulated Ras Activation", <i>Mol. and Cell. Biol.</i> , 14(10):6674-6682 (1994)
	C12	Ostman, A. & Böhmer, F.-D., "Regulation of receptor tyrosine kinase signaling by protein tyrosine phosphatases", <i>Trends Cell Biol.</i> , 11:258-266 (2001)
	C13	Saltiel, A. R., & Pessin, J. E., "Insulin signaling pathways in time and space", <i>Trends in Cell Biol.</i> , 12(2):65-71 (2001)
	C14	Seely, L. B., et al., "Protein Tyrosine Phosphatase 1B Interacts With the Activated Insulin Receptor", <i>diabetes</i> , 4(10):1379-1385 (1996)
ES	C15	Wang, Q., et al., "Mechanism of Inhibition of Protein-Tyrosine Phosphatases by Disodium Aurothiomalate", <i>Biochem. Pharma.</i> , 54:703-711 (1997)

<u>E</u>	C16		Wiener, J. R., <i>et al.</i> , "Overexpression of the Protein Tyrosine Phosphatase PTP1B in Human Breast Cancer: Association With p185 <sup>erbB-2</sup> Protein Expression", <i>Journ of the Nat'l Cancer Inst.</i> , 86(5):372-378 (1994)
<u>E</u>	C17		Zabolotny, J. M., <i>et al.</i> , "PTO1B Regulates Leptin Signal Transduction in ViVo", <i>Developmental Cell</i> , 2:489-495 (2002)
<u>E</u>	C18	<input checked="" type="checkbox"/>	Zinker, B. A., <i>et al.</i> , "PTP1B antisense oligonucleotide lowers PTO1B protein, normalizes blood glucose, and improves insulin sensitivity indiabetic mice", <i>Proc. Natl. Acad. Sci. USA</i> , 99(17):11357-11362 (2002)

EXAMINER

*Henry S. Cley*

DATE CONSIDERED

*5/18/05*

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)